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Applicant(s): Pasi LEIPALA

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ART UNIT:

TITLE: ARRANGEMENT FOR ANTENNA MATCHING

ATTORNEY DOCKET NO.: 413-010747-US (PAR)

Commissioner of Patents

Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Please amend the above-identified, enclosed patent application as follows:

IN THE CLAIMS

Please amend Claims 3, 4, 5 and 6 as rewritten below:

3. (Amended) An arrangement according to claim 1, said control unit comprising a detector of the strength of a radio-frequency alternating field and a control logic in order to change the impedance of the matching circuit.

4. (Amended) An arrangement according to claim 1, said matching circuit comprising at least one part the reactance of which can be controlled electrically.

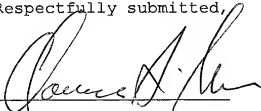
5. (Amended) An arrangement according to claim 1, where the radio apparatus functions in at least two systems, said control unit comprising means for controlling the matching circuit also on the basis of frequency band information of said systems.

6. (Amended) An arrangement according to claim 1, said control unit comprising means for controlling the matching circuit also on the basis of output power information of the power amplifier.

REMARKS

In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claims above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,



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20th Dec 01

Date

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Application entitled: ARRANGEMENT FOR ANTENNA MATCHING

MARKED UP CLAIM(S)

3. (Amended) An arrangement according to claim 1 ~~or~~ 2, said control unit comprising a detector of the strength of a radio-frequency alternating field and a control logic in order to change the impedance of the matching circuit.

4. (Amended) An arrangement according to ~~any one of the preceding claims~~ 1, said matching circuit comprising at least one part the reactance of which can be controlled electrically.

5. (Amended) An arrangement according to ~~any one of the preceding claims~~ 1, where the radio apparatus functions in at least two systems, said control unit comprising means for controlling the matching circuit also on the basis of frequency band information of said systems.

6. (Amended) An arrangement according to ~~any one of the preceding claims~~ 1, said control unit comprising means for controlling the matching circuit also on the basis of output power information of the power amplifier.

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